

IN THE CLAIMS:

Please amend Claims 6-10, 21, 22, 26, and 27, and add new Claims 35-45, as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

Claims 1-5 (canceled).

Claim 6 (currently amended): A method for testing an optical component, comprising:

~~verifying a high-speed~~ providing a golden electrical component ~~to be golden that generates signals having known characteristics;~~

removably connecting the optical component to a high-frequency probe;

removably connecting the high-frequency probe to the ~~high-speed golden~~ electrical component;

transmitting ~~a high-speed~~ an electrical signal from the ~~high-speed golden~~ electrical component to the optical component; and

identifying a response by the optical component to the ~~high-speed~~ electrical signal.

Claim 7 (currently amended): The method of Claim 6, further comprising evaluating the response by the optical component.

Claim 8 (currently amended): ~~The method of Claim 6, further comprising~~ A method for testing an optical component, comprising:

providing a golden electrical component that generates signals having known characteristics;

removably connecting the optical component to a high-frequency probe;
removably connecting the high-frequency probe to the golden electrical component;
transmitting an electrical signal from the golden electrical component to the optical
component;
identifying a response by the optical component to the electrical signal; and
adjusting the ~~high-speed~~ electrical signal.

Claim 9 (currently amended): The method of Claim 7, wherein evaluating the response by the optical component comprises determining if the optical component responds in substantially the same manner as a golden optical component would respond to a substantially equivalent ~~high-speed~~ electrical signal.

Claim 10 (currently amended): The method of Claim 7, wherein evaluating the response by the optical component comprises comparing ~~[[if]] the response is substantially the same as by the~~ optical component to a response by a golden optical component ~~response~~ to a substantially equivalent ~~high-speed~~ electrical signal.

Claims 11-20 (canceled).

Claim 21 (currently amended): The method of Claim 8, further comprising identifying a response by the optical component to the adjusted ~~high-speed~~ electrical signal.

Claim 22 (currently amended): The method of Claim 21, further comprising evaluating the response by the optical component to the adjusted ~~high-speed~~ electrical signal.

Claim 23-25 (canceled).

Claim 26 (currently amended): The method of Claim 6, wherein ~~verifying the high-speed~~
~~providing a golden~~ electrical component ~~to be golden~~ comprises ~~verifying the high-speed~~
~~providing an~~ electrical component ~~as operating~~ that operates according to product application requirements.

Claim 27 (currently amended): The method of Claim 6, wherein the ~~high-speed~~ golden electrical component is located on an application PCB.

Claims 28-34 (canceled).

Claim 35 (new): The method of Claim 8, wherein the golden electrical component is located on an application PCB.

Claim 36 (new): The method of Claim 8, wherein the golden electrical component is a golden PCB having at least one component that generates signals having known characteristics.

Claim 37 (new): A method for testing an optical component, comprising:

providing a golden printed circuit board having golden components that generate signals having known characteristics;

removably connecting the optical component to a high-frequency probe;

removably connecting the high-frequency probe to the golden printed circuit board;

transmitting an electrical signal from the golden printed circuit board to the optical component; and

identifying a response by the optical component to the electrical signal.

Claim 38 (new): The method of Claim 37, further comprising adjusting the electrical signal.

Claim 39 (new): The method of Claim 38, further comprising identifying a response by the optical component to the adjusted electrical signal.

Claim 40 (new): The method of Claim 6, further comprising adjusting the electrical signal.

Claim 41 (new): The method of Claim 7, wherein evaluating the response by the optical component comprises determining if the optical component responds in substantially the same manner as a golden optical component would respond to a substantially equivalent electrical signal.

Claim 42 (new): The method of Claim 7, wherein evaluating the response by the optical component comprises comparing the response by the optical component to a response by a golden optical component to a substantially equivalent electrical signal.

Claim 43 (new): The method of Claim 37, further comprising evaluating the response by the optical component.

Claim 44 (new): The method of Claim 43, wherein evaluating the response by the optical component comprises determining if the optical component responds in substantially the same manner as a golden optical component would respond to a substantially equivalent electrical signal.

Claim 45 (new): The method of Claim 43, wherein evaluating the response by the optical component comprises comparing the response by the optical component to a response by a golden optical component to a substantially equivalent electrical signal.